

Πειραιάς, 04/11/2024

PROVISION OF TENDER CLARIFICATIONS

Subject: STRUCTURAL STUDY FOR REDESIGN OF END STOPPERS FOR QCS (SPP PANAMAX) AND RMGS OF PIER I

The interested parties are kindly requested to refer to all the clarifications and any additional information published by PPA S.A. regarding the present tender. Therefore, please visit PPA S.A.'s website regularly to be informed about the latest information concerning the present tender.

The present reply constitutes an integral part of the Call

Question 1:

"..... Does this offer include on site measurements and in situ laboratory testing from us or should we consider provided drawings as as-built?....."

Answer 1:

There is no need of on-site measurements and in situ laboratory testing, you should consider provided as built drawings.

Question 2:

"..... End stopper design should be coordinated in the direction of checking and potentially reinforcing existing stoppers or replacing them with new ones of a possibly different characteristics?....."

Answer 2:

The end stoppers should be redesign.

Question 3:

"..... End stopper's geometry is/should be common for the three cranes or are there differentiations? Drawings to be provided for each type please, in the 2nd case?"

Answer 3:

There is no need of common geometry.

Question 4:

"..... End stopper full drawings have not been provided, end stopper dimensions are only visible at the crane long side direction?"

Answer 4:

As drawings are unavailable, candidates will need to conduct on-site visits to PPA premises to familiarize themselves with the specific requirements of the project.

Question 5:

".....We understand that crane support structures have already been designed and no further calculations are needed from us. Please confirm that our contribution doesn't include the cranes redesign or verification.?"

Answer 5:

We confirm that there is no need of cranes redesign or verification.

Question 6:

"..... We understand that foundation structural verification and/or redesign is outside our scope. Please confirm"

Answer 6:

Yes, we confirm.

Question 7:

"..... Please confirm that any EN1997-1 foundation geotechnical checks are outside our scope....."

Answer 7:

Yes, we confirm.

Question 8:

"..... Since our objective is the end stopper and not crane verification, will wind loads acting on the end stopper from the bumper(έμβολο) be explicitly given to us? Our impression is that these are not evident from the crane calculation reports. If not, what is the proposed methodology of calculating the point force on the bumper?"

Answer 8:

Stoppers should be designed to absorb the energy of a full speed collision.

Question 9:

"..... Except for the wind load, should we consider any other accidental or other load for the end stopper design?....."

Answer 9:

No

Question 10:

“..... No information is provided for the connection of the end stoppers to the rail. Only rails anchored base connection is available for all three cranes.....”

Answer 10:

Stoppers should not be connected to the rails, they should be connected to the foundation.

Question 11:

“..... Scope of works point 3” Calculation of the end stopper bumper and anchor base according to FEM recommendations.”: Should we also check the crane bumper (bumper→έμβολο?) or only the end stoppers and their anchoring to the foundation?.....”

Answer 11:

Only the end stoppers and their anchoring to the foundation.

Question 12:

Scope of works point 6.” Provide detailed civil engineering drawings for the modification of existing concrete to accommodate bumper and anchor base installation.”: Can you clarify? ...”

Scope of works for the study:

1. The review of the provided technical documentation.
2. Calculation of the maximum effort to be supported by the end stopper & anchor base according to FEM recommendations
3. Calculation of the end stopper bumper and anchor base according to FEM recommendations
4. Calculation of the end stopper structure and anchor base structure using FEA
5. Design of end stopper structure and anchor base structure and prepare related detailed mechanical drawings
6. Provide detailed civil engineering drawings for the modification of existing concrete to accommodate bumper and anchor base installation

Answer 12:

The contractor must submit detailed civil engineering drawings to PPA, illustrating the connection points between the end stoppers and the foundation.